

# HISTORIC AMERICAN ENGINEERING RECORD

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HAER  
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**Nine Mile Hydroelectric Development, Powerhouse**  
On State Highway 291, along the Spokane River  
Nine Mile Falls Vicinity  
Spokane County  
Washington

HAER No. WA-84-B

NOTE: Photographs No. WA-84-B-1 through WA-84-B-8 and WA-84-B-10 through WA-84-B-12 were taken by Harvey S. Rice, photographer, November 1992

- WA-84-B-1    VIEW OF POWERHOUSE, LOOKING EAST
- WA-84-B-2    VIEW OF MECHANICAL GATE LIFTING MECHANISM (MULE) AND GATE LIFTING RACKS, LOOKING WEST
- WA-84-B-3    VIEW OF MECHANICAL GATE LIFTING MECHANISM (MULE) AND GATE RACKS, LOOKING EAST
- WA-84-B-4    DETAIL VIEW OF LIFTING GEAR ON MULE AND RACK ATTACHMENT HOOKS, LOOKING EAST
- WA-84-B-5    VIEW OF SWITCH ROOM, POWERHOUSE, LOOKING WEST
- WA-84-B-6    VIEW OF SWITCH ROOM, POWERHOUSE, SHOWING TRANSFORMER CABLE PORTAL BAY, LOOKING SOUTH
- WA-84-B-7    VIEW OF GANTRY ROOM, POWERHOUSE, LOOKING EAST
- WA-84-B-8    VIEW OF GANTRY ROOM, POWERHOUSE, SHOWING 25-TON WHITING MOVABLE CRANE AND BRIDGE

The following is a photocopy of a photograph taken in 1925. Photographer is unknown. Original photograph is on file in the archives of the Washington Water Power Company (WWP), Spokane, Washington.

- WA-84-B-9    VIEW OF GENERATING ROOM, POWERHOUSE, SHOWING GENERATORS NOS. 1-4.
- WA-84-B-10    VIEW OF GENERATING ROOM, POWERHOUSE, SHOWING ORIGINAL GENERATORS NOS. 1 THROUGH 4, WITH NO. 4 GENERATOR IN FOREGROUND
- WA-84-B-11    DETAIL VIEW OF GENERATOR NO. 1, GENERATOR ROOM, SHOWING GRAVITY LUBRICATING OIL BOX ABOVE GENERATOR

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**WA-84-B-12    DETAIL VIEW OF GENERATOR BAY, GENERATOR ROOM, SHOWING  
TURBINE-GENERATOR DRIVE SHAFT IN FOREGROUND, ACCESS BULKHEAD  
TO TURBINE IN BACKGROUND**

The following are photocopies of drawings. Original drawings are on file in the archives of the Washington Water Power Company (WWP), Spokane, Washington.

**WA-84-B-13    DETAILS OF THE "MULE" GATE-LIFTING MECHANISM**

**WA-84-B-14    DETAILS OF GATE OPERATING MECHANISM, SHOWING RACK SECTION, CUT  
TEETH, CAST TEETH, GATE PINION (1907)**

**WA-84-B-15    "DOUBLE LEAF" INTAKE GATE (1907)**

**WA-84-B-16    LIGHTING PLAN OF GENERATOR ROOM, SHOWING CONFIGURATION OF  
TURBINE-GENERATOR UNITS. UNITS A THROUGH D ARE CURRENTLY  
DESIGNATED AS NOS. 1 THROUGH 4 (1907)**

**WA-84-B-17    PROFILE OF THE POWERHOUSE (1907)**

**WA-84-B-18    DETAILS OF HERCULES TURBINES (1907)**

**WA-84-B-19    DETAILS OF WESTINGHOUSE 3,000 KW GENERATOR**